

WARRANTY

Sharp Electronics Corporation warrants to the original purchaser that this product is free from defective materials and workmanship. Sharp will remedy any defective part for a period of 5 years from date of purchase. Additionally, for a period of 90 days from date of purchase there is no labor charge. This warranty does not apply to carrying case and strap, and batteries, nor to misuse or abuse. If this unit has been altered, or repaired by other than an authorized Sharp Factory Service Center, no warranty is in force. The unit, together with dated proof of purchase and \$3.00 for handling, must be sent to the Sharp Factory Service Center nearest you. This warranty does not apply to this unit if purchased outside the United States.

1. INTRODUCTION



Small, fast, and easy. That's our new handy pocket size EL-8005. Yet you can perform complicated calculations up to 8 digits.

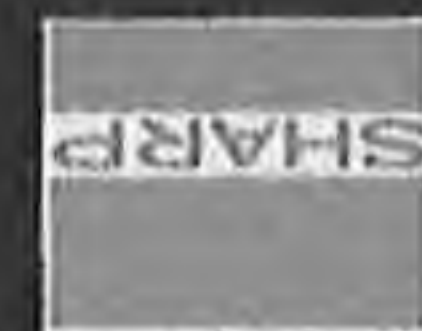
Printed in Japan

ELECTRONIC CALCULATOR
EL-8005
INSTRUCTION MANUAL

SHARP COMPET



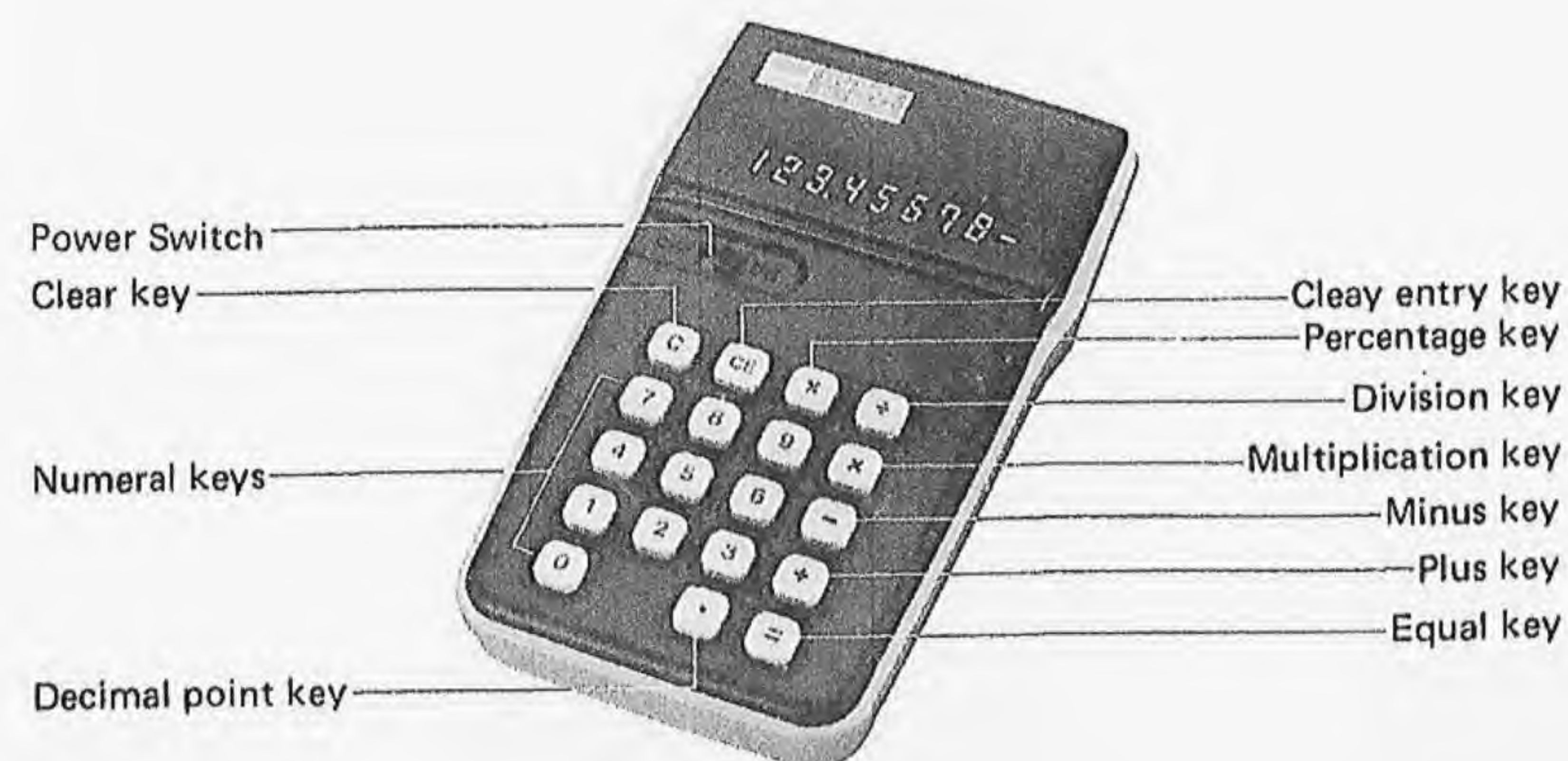
SHARP ELECTRONICS CORPORATION
CORPORATE HEADQUARTERS AND EXECUTIVE OFFICES:
10 Keystone Place Paramus, New Jersey 07652, Phone: (201) 265-5600
REGIONAL SALES OFFICES AND DISTRIBUTION CENTERS:
Eastern: 430 East Plainfield Road, Country Side, La Grange, Illinois 60525, Phone: (312) 242-0870
Midwest: 21580 Wilmington Avenue, Long Beach, California 90810, Phone: (213) 830-4470, 71, 78
Western: 21580 Wilmington Avenue, Long Beach, California 90810, Phone: (213) 830-4470, 71, 78



2. OUTSTANDING FEATURES

- ★ Easy-to-read zero suppress system
- ★ Overflow error check device
- ★ Easy-to-operate algebraic operation
- ★ Convenient tax/discount calculation
- ★ Automatic constant calculation
- ★ Percentage calculation
- ★ Power calculation
- ★ Chain multiplication and division

3. KEY LAYOUT CHART



4. OVERFLOW ERROR

Overflow error occurs in the following cases.

1. When the integer portion of sum, difference, product or quotient exceeds 8 digits.
2. When a number is divided by zero.

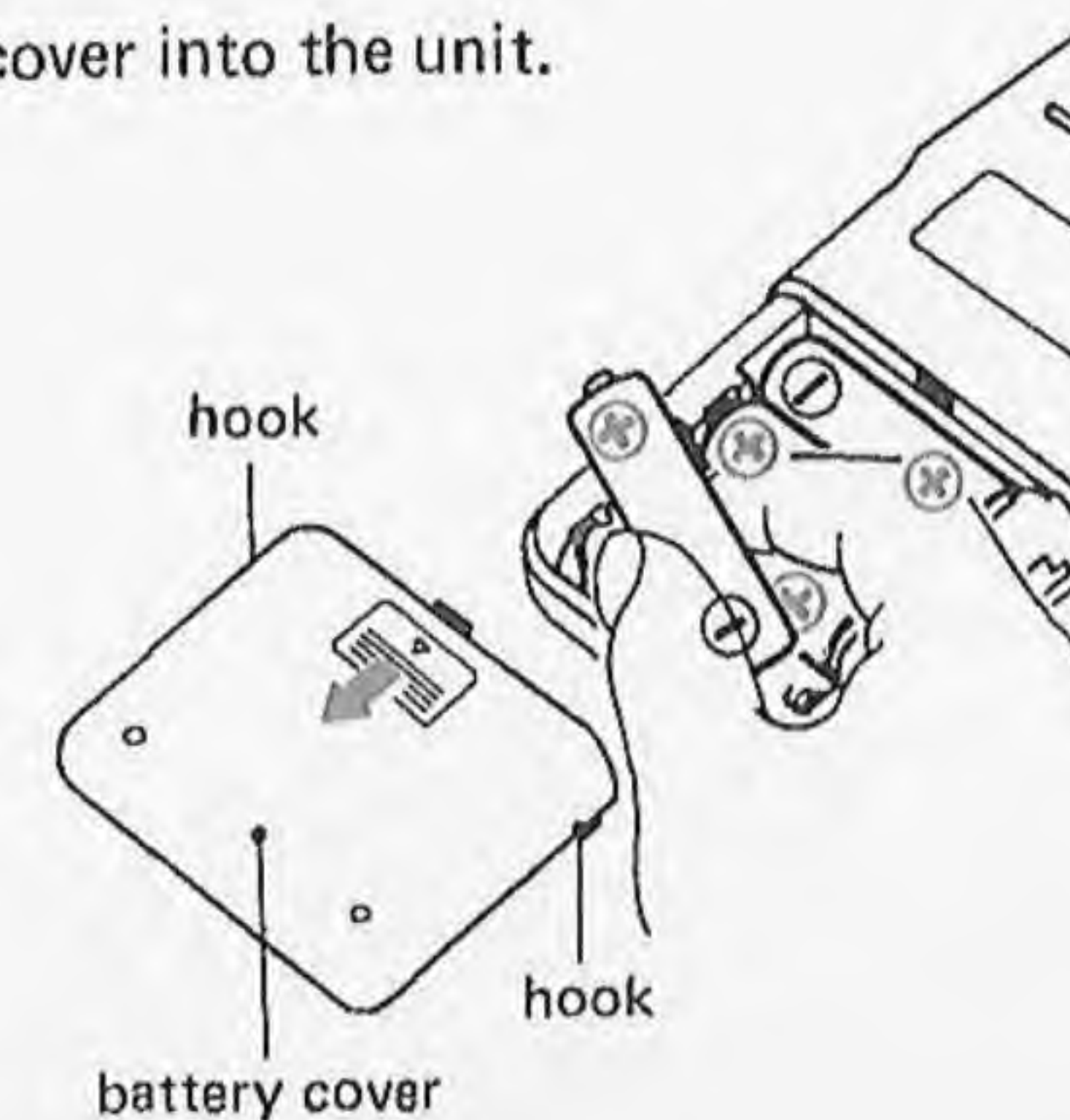
When an overflow error is detected, all the decimal points and a zero are displayed. An overflow error symbol (E) turns on (or (E) turns on). An overflow error electronically interlocks all keys except **C** key. An overflow error is released by pressing **C** key.

CAUTION

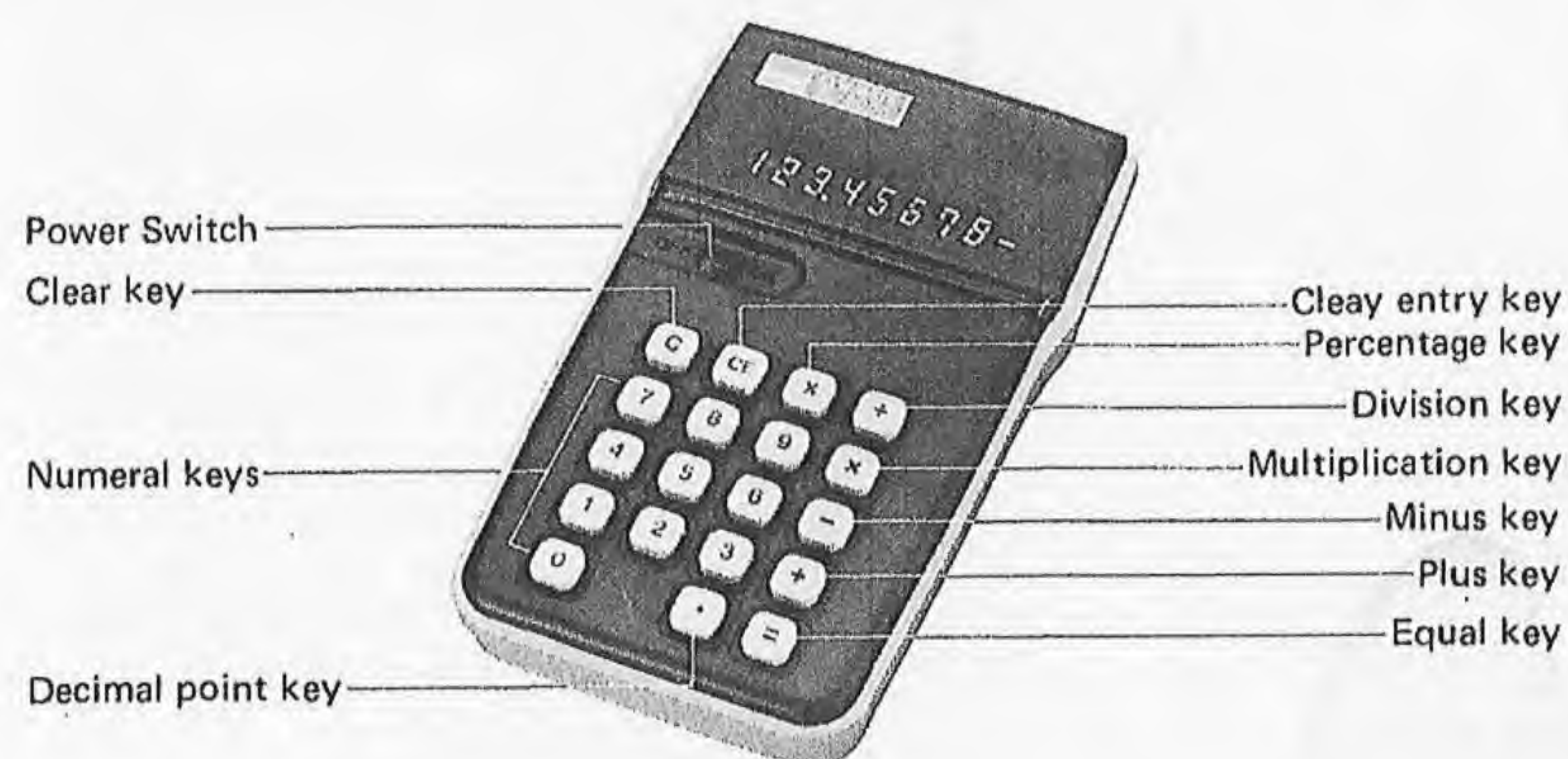
1. When the voltage of the battery is lowered, the display will become dark. In such a case please exchange the battery with new one.
2. In case you do not use this calculator for a long time, please take out the battery and preserve it in a dry, cool and shady place.

5. HOW TO REPLACE THE DRY BATTERY

1. First set the power switch at off position.
2. Slide the battery cover in the direction of an arrow mark and take it out.
3. Put SUM-3E type dry battery (x4) in the unit. Take care not to mistake the battery polarity.
4. Slide the battery cover into the unit.



6. KEY LAYOUT CHART



7. OPERATIONS

CALCULATION EXAMPLES

(1) Addition & Subtraction

	Examples	Operation
1.	$1.23 + 456 - 458 + 3 = 2.23$	$1.23 \text{ + } 456 \text{ - } 458 \text{ + } 3 \text{ = } \rightarrow 2.23$
2.	$123 + 456.7 - 3 + 0.9999 + 1.3001 = 579$	$123 \text{ + } 456.7 \text{ - } 3 \text{ + } .9999 \text{ + } 1.3001 \text{ = } \rightarrow 579.$

(2) Multiplication & Division

	Examples	Operation
1.	$3.6 \times 42.8 = 154.08$	$3.6 \text{ x } 42.8 \text{ = } \rightarrow 154.08$
2.	$(-264) \div 12 = -22$	$\text{C } - \text{ 264 } \div 12 \text{ = } \rightarrow 22.-$

(7) Percentage calculation

	Examples	Operation
1.	$100 \times (20\%) = 20$ $5 \div (9\%) = 55.555555 \dots$	$100 \text{ x } 20 \text{ \% } \rightarrow 20.$ $5 \div 9 \text{ \% } \rightarrow 55.555555$
2.	$5 \times (9\%) = 0.45$ $5 \times (6\%) = 0.3$ $5 \times (7\%) = 0.35$	$5 \text{ x } 9 \text{ \% } \rightarrow 0.45$ $6 \text{ \% } \rightarrow 0.3$ $7 \text{ \% } \rightarrow 0.35$
3.	$5 \div (9\%) = 55.555555 \dots$ $6 \div (9\%) = 66.666666 \dots$ $7 \div (9\%) = 77.777777 \dots$	$5 \div 9 \text{ \% } \rightarrow 55.555555$ $6 \text{ \% } \rightarrow 66.666666$ $7 \text{ \% } \rightarrow 77.777777$

(8) Correcting mistakes

Ex. 1 $123 + 556$ (mistake) $\rightarrow 456$ (correct)

Operation

$123 \text{ + } 556 \text{ CE } 456 \text{ = } \rightarrow 579.$

Ex. 2 $123 - 556$ (mistake) $\rightarrow 456$ (correct)

Operation

$123 \text{ - } 556 \text{ CE } - \text{ 456 } \text{ = } \rightarrow 333.-$

In case of subtraction, if "556" is mistakenly entered, press **CE** key and **-** k again and then enter correct number "456".

Ex. 3 5×8 (mistake) $\rightarrow 9$ (correct)

Operation

$5 \text{ x } 8 \text{ CE } 9 \text{ = } \rightarrow 45.$

(3) Power calculation & Reciprocal calculation

	Examples	Operation
1.	$5^2 = 25, 5^3 = 125, 5^4 = 625$	5 \times = $\rightarrow 25.$ = $\rightarrow 125.$ = $\rightarrow 625.$
2.	$1/5 = 0.2$	5 \div = $\rightarrow 0.2$

(4) Chain calculation

	Examples	Operation
1.	$10 \div 5 \times 3 = 6$	10 \div 5 \times 3 = $\rightarrow 6.$
2.	$1.1 \times 2.2 \times 3.3 \div 4.4 = 1.815$	1.1 \times 2.2 \times 3.3 \div 4.4 = $\rightarrow 1.815$

(5) Tax/discount calculation

	Examples	Operation
1.	$100 - 100 \times 0.2 = 80$	100 \times .2 = $\rightarrow 80.$
2.	$100 - 100 \times (20\%) = 80$	100 \times 20 % = $\rightarrow 80.$
3.	$100 + 100 \times 0.2 = 120$	100 \times .2 + = $\rightarrow 120.$
4.	$100 + 100 \times (20\%) = 120$	100 \times 20 % + = $\rightarrow 120.$

(6) Constant calculation

	Examples	Operation
1.	$1.23456 \times 3 = 3.70368$ $1.23456 \times 0.23 = 0.2839488$ $1.23456 \times 103,234.78 = 127,449.52$	1.23456 \times 3 = $\rightarrow 3.70368$.23 = $\rightarrow 0.2839488$ 103234.78 = $\rightarrow 127449.52$
2.	$(-5) \times 9 = (-45)$ $(-5) \times 6 = (-30)$ $(-5) \times 1.11 = (-5.55)$	\square 5 \times 9 = $\rightarrow 45.-$ 6 = $\rightarrow 30.-$ 1.11 = $\rightarrow 5.55 -$
3.	$5 \div 9 = 0.5555555 \dots$ $6 \div 9 = 0.6666666 \dots$ $18 \div 9 = 2$	5 \div 9 = $\rightarrow 0.5555555$ 6 = $\rightarrow 0.6666666$ 18 = $\rightarrow 2.$

8. SPECIFICATIONS

Power source:	Dry battery operation operates for 16 hours on four mangan (SUM-3E) dry batteries ... at 20°C (AM-3x4...26H) (Slightly changes according to the kinds of the batteries and the w of use.) AC operation with optional AC adaptor (EA-14A).
Display:	Iron
Capacity:	Display 8 digits
Decimal point:	Complete floating decimal point system.
Sign indicator:	Minus sign indicator (-) overflow error indicator (E, E)
Calculations:	4 arithmetic calculations, constant multiplication and division, ch multiplication and division, square calculation, power calculat tax/discount calculation, reciprocal calculation, percentage calcu tion, mixed calculation.
Temperature:	0°C ~ 40° (32°F ~ 104°F)
Components:	LSI, etc.
Power consumption:	DC: 0.45W AC: 2.4W
Dimensions:	85(W) x 26(H) x 137.5(D)mm 3-3/8"(W) x 1-1/32"(H) x 5-7/16"(D)
Weight:	225g (0.495 lbs.) (with dry batteries)

SERVICE CENTER ADDRESS

SHARP ELECTRONICS CORPORATION
10 Keystone Place
Paramus, New Jersey 07652
(201) 265-5600

SHARP ELECTRONICS CORPORATION
214 Harvard Avenue
Boston, Massachusetts 02134
(617) 738-1905

SHARP ELECTRONICS CORPORATION
2139 Wisconsin Avenue, N.W.
Washington, D.C. 20007
(202) 337-8000

SHARP ELECTRONICS CORPORATION
6478 Inter State 85
Norcross, Georgia 30071
(404) 448-5230

SHARP ELECTRONICS CORPORATION
4458 South 84th Street
Omaha, Nebraska 68127
(402) 339-1402

SHARP ELECTRONICS CORPORATION
430 East Plainfield Road
Countryside, La Grange, Illinois 60525
(312) 242-0870

SHARP ELECTRONICS CORPORATION
21580 Wilmington Avenue
Long Beach, California 90810
(213) 830-4470

SHARP ELECTRONICS CORPORATION
1205 Executive Drive East
Richardson, Texas. 75080
(214) 234-1136

SHARP ELECTRONICS CORPORATION
15031 Military Road, S.
Seattle, Washington 98188
(206) 243-3902